

Urban District Council.

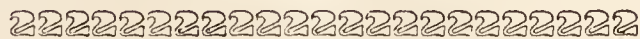


REPORT

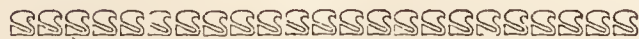
OF

Robert Stevenson, Esq.,

MEDICAL OFFICER OF HEALTH.




1908.



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Rothwell Urban District Council.

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ANNUAL REPORT, 1908.

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To the Chairman and Members of the Rothwell Urban District Council.

GENTLEMEN,

I beg to submit for your consideration the following Report on the Health and Sanitary condition of the Rothwell Urban District for the year ending, December 31st, 1908, and for convenience sake will as in previous Reports, begin with the formal record of Births and Deaths.

POPULATION.

From the Tables on page 9 you will observe that there are now 2,971 houses in occupation in your district, an increase of 27 during the past twelve months, and taking the number of inhabitants per house to be the same as last year, I estimate the population at 13,925, and the various rates set forth in the following Report are estimated accordingly.

BIRTHS.

The total number of births registered during the twelve months ending, December 31st, amounted to 443, and consisted of 240 males and 203 females. Last year the registered births numbered 385. The births recorded in the Sub-Registration District of Rothwell numbered 263, and comprised 141 males and 122 females. In Lofthouse with Carlton and Thorpe, which are comprised within the Sub-Registration District of Ardsley, the births registered amounted to 180, and comprised 99 males and 81 females. Compared with last year there is an increase in the number of births registered in Rothwell and Stourton to the extent of 41, and in Lofthouse and Carlton with Thorpe there is also an increase to the extent of 17.

BIRTH-RATE.

The birth-rate for the entire District is 31.81 per thousand inhabitants, as against 27.89 last year, and 30.72 in the year 1906.

ILLEGITIMATE BIRTHS.

The illegitimate births numbered 11, and comprised 7 males and 4 females. Seven of the above belong to Rothwell and Stourton, and the remaining 4 belong to Lofthouse with Carlton and Thorpe. The illegitimate births are in the proportion of 1 in 40 of all the births registered. Last year the proportion was 1 in 48, and in 1906 the proportion was 1 in 32.

DEATHS.

The total number of deaths registered for the entire District during the twelve months ending, 31st December, was 199, and comprised 107 males and 92 females. The number registered in the Sub-Registration District of Rothwell was 127, and comprised 69 males and 58 females. The number registered in the Ardsley Sub-Registration portion of your District was 72, and comprised 38 males and 34 females. The total deaths registered for the year 1907 numbered 182, and for the year 1906 the registered deaths amounted to 194.

DEATH-RATE.

The death-rate is 14.28 per thousand inhabitants, as against 13.10 for the year 1907, and 14.16 for the year 1906. Though the death-rate is higher than it was last year it is considerably under that for the previous ten years, which was 14.36. Forty-four per cent. of the registered deaths consisted of children under five years of age, and 18 per cent. were those of persons aged 65 years and upwards. The corresponding numbers for the year 1907 were 43 and 22 respectively.

INFANT MORTALITY.

Sixty-six of the registered deaths were those of infants under one year of age. The infant mortality—or the proportion of deaths under the age of one year per thousand registered births—is 148, and is 33 per cent. of the deaths at all ages. For the year 1907 the infant mortality was 140 per thousand births registered, and in 1906 it was 121. The average for the previous ten years was 151. The infant mortality varies greatly from year to year in the different Wards. In 1907 the infant mortality was lower in

the North and Stourton Wards than in any of the others, whereas this year it is higher in both North and Stourton Wards than in any of the others. In the South Ward, Lofthouse and Carlton Wards there is a considerable reduction of the infant deaths from the previous year. The following table shows how the infant mortality varies from year to year in the different Wards :—

	1908	1907	1906
Rothwell Urban District Area..	148	140	121
North Ward	170	90	52
South Ward	134	215	226
Stourton Ward	204	88	168
Lofthouse Ward	81	132	35
Carlton Ward	148	158	102

In my last Report I made special mention of the infant deaths due to Premature Birth and Congenital Debility, and this year again I find that 28 of the 66 infant deaths are due to the above causes, and 20 of these died within a few days from birth. Fifteen of the infant deaths are due to Zymotic and other preventable diseases, and the remainder are due mostly to diseases of the respiratory organs.

INQUESTS.

Twenty-four Inquests—12 males and 12 females—were held during the twelve months ending, December 31st. This number is largely in excess of former years, the number for the year 1907 being 8. Eleven out of twenty-four were in the Stourton Ward, three in the North Ward, four in the South Ward, four in the Lofthouse Ward, and two in the Carlton Ward. The causes of death were returned as follows :—Bronchitis 6, Heart-Disease 4, Drowning 3, Killed 2, Burning 1, Poisoning 1, Premature Birth 1, Peritonitis 1, Phthisis 1, Convulsions 1, Ulceration of Stomach 1, Diarrhœa 1, Dropsy 1. Six of the above were Accidents and one was a case of Suicide.

ZYMOTIC DISEASES.

Twenty deaths were registered as due to the following Zymotic Diseases, viz. :—Whooping-Cough 7, Diarrhœa 7, Typhoid Fever 3, Diphtheria 2, and Measles 1.

ZYMOTIC DEATH-RATE.

The Zymotic Death-Rate is 1.43 per thousand inhabitants, as against 0.79 in 1907, and 1.89 in 1906.

NOTIFICATION OF INFECTIOUS DISEASES.

During the year ending 31st December, 1908, the Infectious Diseases notified number 76, as compared with 143 in 1907 and 91 in 1906. They were as follows:—Scarlet Fever 16, Diphtheria 21, Typhoid Fever 15, Phthisis 13, Erysipelas 10, and Puerperal Fever 1. Of the above 19 belonged to the North Ward, 14 to the South Ward, 20 to the Stourton Ward, 15 to the Lofthouse Ward, and 8 to the Carlton Ward. Eight notifications were received from the Workhouse, 1 from the Children's Homes, and 1 from the Isolation Hospital. None of these 10 notifications, though included in the 76, belonged to any of the Wards comprised within the Rothwell Urban District Area. Thirty-one of the total cases notified were removed to the Isolation Hospital, and these comprised 10 cases of Scarlet Fever, 8 cases of Diphtheria, and 13 cases of Typhoid Fever. The following Table gives particulars as to the number of Infectious Diseases belonging to each Ward:—

	Scarlet Fever	Typhoid Fever	Diphtheria	Erysipelas	Phthisis	Puerperal Fever	Total 1908	Total 1907	Total 1906
North Ward ...	4	...	1	4	10	...	19	12	12
South Ward ...	4	6	1	2	1	...	14	13	9
Stourton Ward	1	7	10	2	...	...	20	22	20
Lofthouse Ward	6	2	4	1	2	...	15	41	19
Carlton Ward	1	...	5	1	...	1	8	43	31
Total 1908 ...	16	15	21	10	13	1	76		
„ 1907 ...	92	13	9	10	7			131	
„ 1906 ...	55	20	10	6					91

The above includes cases notified from the Workhouse, Children's Homes, and Isolation Hospital; but 10 of these do not belong to the Rothwell Urban District.

The following Table gives particulars as to the number of Infectious Cases removed to the Isolation Hospital from each Ward.

	1908				1907				1906			
	Scarlet Fever	Typhoid Fever	Diphtheria	Total	Scarlet Fever	Typhoid Fever	Diphtheria	Total	Scarlet Fever	Typhoid Fever	Diphtheria	Total
North Ward ...	1	...	1	2	6	1	...	7	2	3	...	5
South Ward ...	3	5	...	8	6	...	...	6	1	4	1	6
Stourton Ward	...	6	2	8	1	8	2	11	5	6	1	12
Lofthouse Ward	3	2	2	7	18	2	2	22	8	2	1	11
Carlton Ward..	1	...	3	4	24	...	...	24	21	2	...	23
Rothwell District Area	8	13	8	29	55	11	4	70	37	17	3	57

SCARLET FEVER.

During the twelve months ending 31st December, 1908, the number of cases of Scarlet Fever notified amounted to 16, as compared with 92 in the year 1907, and 55 in 1906. There were no fatal cases during the past year. In 1907 one death was notified as due to Scarlet Fever, and in 1906 likewise there was one death. Reference to the Tables in connection with "Notification of Infectious Diseases" will show that the cases of Scarlet Fever were located as follows:—North Ward 4, South Ward 4, Stourton Ward 1, Lofthouse Ward 6, and Carlton Ward 1. The epidemic of Scarlet Fever which prevailed during nearly the whole of 1907 in the Rothwell Haigh, Robin Hood, and Lofthouse Road portions of your district had almost died out by the end of that year, and during the whole of the year 1908 your district has been almost free from that disease, and only an odd case here and there cropped up. These cases were promptly attended to, and where thorough isolation could not be enforced at home they were removed to the Isolation Hospital. In nearly every instance the steps taken prevented the disease from spreading. Eight of the 16 cases notified were removed to the Isolation Hospital.

TYPHOID FEVER.

Fifteen cases of Typhoid Fever were notified during the twelve months ending 31st December, 1908, as against 13 cases in 1907 and 20 cases in 1906. The cases notified were located as follows:—South Ward 6, Stourton Ward 7, and Lofthouse Ward 2. Three of the above proved fatal, as against 1 in 1907, and 2 in 1906. The fatal cases were amongst those removed to the Isolation Hospital, and were located as follows:—1 from the South Ward, 1 from the Stourton Ward, and 1 from the Lofthouse Ward. Two of the cases notified were from the same house, but all the others were from different houses and from different localities. Nearly all the cases were of sporadic origin and supervened upon a previous illness, and all the fatal cases were due to Chest Complications from which the patient had been suffering for some time. Thirteen of the 15 cases notified were removed to the Isolation Hospital. For two years in succession there have been no notifications of Typhoid Fever from the Carlton Ward, which for several years previously was the Ward from which the most of the Typhoid notifications were received.

DIPHThERIA.

Twenty-one cases of Diphtheria were notified during the twelve months ending, 31st December, 1908, as against 9 in

1907, and 10 in 1906. The cases notified were located as follows:—North Ward 1, South Ward 1, Stourton Ward 10, Lofthouse Ward 4, and Carlton Ward 5. One of the above cases proved fatal. Though 2 deaths were notified as due to Diphtheria, one of these was a case which died on January 4th, but was notified on December 26th, 1907. The fatal case amongst those notified during 1908 was one of those removed to the Isolation Hospital, and was from the Lofthouse Ward. With the exception of the fatal case all the others were exceptionally mild, and only 8 of the 21 notified were removed to the Hospital.

MEASLES.

During the year just ended your district has been comparatively free from Measles, and only one death has been registered as due to that disease. The fatal case was in the Stourton Ward. During the years 1907 and 1906 measles prevailed to a greater or lesser extent throughout your entire district, and in the Lofthouse and Carlton Wards it assumed epidemic form. In 1907 the deaths from Measles numbered 3, and in 1906 the number was 11.

WHOOPING-COUGH.

Whooping-Cough was very prevalent throughout your entire district during the Spring and Summer months, and no fewer than one-third of all the Zymotic Deaths registered were due to that disease and its sequelæ. The deaths from Whooping Cough numbered 7 and were located as follows: North Ward 2, Stourton Ward 1, Lofthouse Ward 1, and Carlton Ward 3. The number of deaths registered as due to Whooping Cough in 1907 numbered 2, and in the year 1906 the number registered was also 2.

DIARRHŒA.

The deaths registered as due to Diarrhœa during the year 1908, numbered 7, as compared with 1 in 1907, and 8 during 1906. The cold wet Summer and Autumn of 1907 were not favourable to the propagation and spread of Diarrhœa, and the very low Zymotic death-rate for that year was in great part due to the comparatively fewer deaths from that disease. The deaths from Diarrhœa during 1908 amounted to one-third of the whole of the Zymotic deaths, and were located as follows:—South Ward 2, Stourton Ward 3, Lofthouse Ward 1, and Carlton Ward 1. No fewer than 14 out of the 20 deaths registered as due to Zymotic disease were due to Diarrhœa and Whooping Cough.

ERYSIPELAS.

Ten cases of Erysipelas were notified during the year 1908, as against 10 in 1907 and 6 in 1906. The cases notified were located as follows:—North Ward 4, South Ward 2, Stourton Ward 2, Lofthouse Ward 1, and Carlton Ward 1. None of the above proved fatal.

PHTHISIS.

Though notification of Phthisis is not compulsory, your Council pays the usual notification fee to medical men for all voluntary notifications of cases within the Rothwell Council's Area. Thirteen notifications were received for the twelve months ending, 31st December, 1908, but 7 of these were from the Workhouse and do not belong to any of the Wards in the Council's area. The remaining 6 were located as follows:—North Ward 3, South Ward 1, and Lofthouse Ward 2. The deaths registered as due to Phthisis numbered 14, and from other Tubercular Diseases 5, a total number reaching within 1 of the number of deaths from all Zymotic diseases combined, and one-tenth of all the deaths registered. Seeing that Phthisis is a preventable disease it is to be hoped that some means will be adopted by which the deaths from this disease will year by year become gradually less. Every house from which a death was registered or a case notified was visited, and the same steps taken as in cases of other infectious diseases.

The above is the history of Zymotic Disease in your district during the twelve months ending, 31st December, 1908. Every house from which a case of infectious disease was notified, was visited, and in every case disinfectants were supplied, defective drains and gullies repaired or reconstructed, sanitary defects made good, and proper means taken to prevent the disease from spreading.

The following Statistics and Tables explain themselves:—

AGE AT DEATH.

The following Table epitomises the ages at which deaths occurred in your district:—

Deaths under 1 year of age	...	66	Total deaths under
„ over 1 year and under 5 years		23	5 years 89.
„ „ 5 years	15	6	
„ „ 15	25	5	
„ „ 25	65	63	
„ „ 65	...	36	
Total Deaths at all ages		199	

The grouping into various ages is in accordance with the Schedules furnished by the Local Government Board, which are duly filled in and accompany this Report.

ESTIMATED POPULATION, NUMBER OF DEATHS, &c., WITH RATES.

Year	Estimated Population	No. of Deaths	No. of Births	Death Rate per 1000 inhabitants	Birth Rate per 1000 inhabitants	Deaths under 1 year per 1000 Births	Zymotic Death Rate
1908	13,925	199	443	14·28	31·81	148	1·43
1907	13,800	182	385	13·10	27·89	140	0·79
1906	13,700	194	421	14·16	30·72	121	1·16
1905	13,430	189	426	14·07	31·72	161	1·78
1904	13,250	191	420	14·41	31·62	145	1·66
1903	13,000	215	454	16·53	34·92	171	2·61
1902	12,722	193	398	15·17	31·28	188	1·10
1901	11,855	190	435	16·02	36·60	158	1·85

No. INHABITED HOUSES, POPULATION, &c., AT CENSUS, 1901, &c.

		Census	Number Inhabited Houses	Population	Number Inhabitants per house
Rothwell Urban District Area	...	1901	2,487	11,702	4·70
do.	do.	1891	1,296	6,205	4·78
do.	do.	1881	1,077	5,103	4·73

INFANT MORTALITY IN VARIOUS WARDS.

	No. Inhabited Houses	No. Inhabitants	No. Inhab't's per house	No. Births registered	Birth Rate	Deaths under 1 year	Deaths under 1 year per 1000 Births
Urban Dis. Area...	2,971	13,925	4·70	443	31·81	66	148
North Ward ..	538	2,479	4·61	88	31·46	15	170
South Ward ...	575	2,639	4·59	82	31·07	11	134
Stourton Ward ...	627	3,022	4·86	93	30·77	19	204
Lofthouse Ward ...	601	2,788	4·64	86	30·84	7	81
Carlton Ward ...	630	2,997	4·76	94	31·36	14	148

DEATHS IN VARIOUS WARDS.

	Popu-lation	Deaths at all Ages	Death Rate	Deaths under one Year	Deaths under one Year per 1,000 Births	Zymotic Deaths	Zymotic Death Rate
Urban Dis. Area	13,925	199	14·28	66	148	20	1·43
North Ward ...	2,479	38	15·32	15	170	2	0·80
South Ward ...	2,639	32	12·05	11	134	3	1·13
Stourton Ward	3,022	57	18·86	19	204	6	1·98
Lofthouse Ward	2,788	30	10·70	7	81	4	1·47
Carlton Ward...	2,997	42	14·01	14	148	5	1·66

BIRTHS AND DEATHS IN VARIOUS WARDS.

	BIRTHS			DEATHS			Total excess Births over Deaths
	Males	Fe- males	Total	Males	Fe- males	Total	
Urban District Area	240	203	443	107	92	199	244
North Ward	54	34	88	20	18	38	50
South Ward	45	37	82	22	10	32	50
Stourton Ward	42	51	93	27	30	57	36
Lofthouse Ward	45	41	86	19	11	30	56
Carlton Ward	54	40	94	19	23	42	52

ZYMOTIC DEATHS IN VARIOUS WARDS.

	Measles	Diphtheria	Whooping Cough	Typhoid Fever	Diarrhoea	Total	Zymotic Death Rate
Urban District Area	1	2	7	3	7	20	1.43
North Ward... ..	...	...	2	...	...	2	0.80
South Ward ... ..	...	...	...	1	2	3	1.13
Stourton Ward	1	...	1	1	3	6	1.98
Lofthouse Ward ... ..	...	1	1	1	1	4	1.47
Carlton Ward ... ..	...	1	3	...	1	5	1.66

VITAL STATISTICS FOR THE YEAR 1908 FOR ENGLAND AND WALES.

1908	England and Wales	Great Towns (76)	Smaller Towns (142)	England and Wales <i>less</i> the 218 Towns
BIRTH RATE	26.5	27.0	26.0	26.2
DEATH RATE	14.7*	14.9	14.0	14.7
Zymotic Death Rate	1.29	1.59	1.26	0.99
Infantile Mortality (per 1,000 births)	121	128	124	110

*Lowest on record.

CAUSES OF, AND AGES AT DEATH DURING THE YEAR 1908 IN VARIOUS WARDS.

CAUSES OF DEATH	Deaths in or belonging to various Wards (at all Ages).					
	N.W.	S.W.	St. W.	Lft W.	Cn. W.	Total.
Whooping-cough ...	2	...	1	1	3	7
Measles ...	...	...	1	...	...	1
Diphtheria ...	...	...	...	1	1	2
Typhoid Fever ...	...	1	1	1	...	3
Diarrhœa ...	...	2	3	1	1	7
Entëritis ...	1	...	1	...	...	2
Phthisis ...	5	2	2	2	3	14
Other Tubercular Diseases ...	1	2	1	...	1	5
Cancer, Malignant Disease ...	...	1	4	1	2	8
Bronchitis ...	2	1	8	3	6	20
Pneumonia ...	...	...	1	1	1	3
Other Respiratory Diseases ...	2	7	8	1	1	19
Alcoholism ...	...	2	...	...	...	2
Premature Birth ...	5	2	6	1	5	19
Congenital Debility...	4	1	2	1	1	9
Convulsions ...	...	...	...	1	...	1
Heart Disease ...	1	...	2	5	3	11
Accidents ...	1	1	2	1	...	5
Suicides ...	...	...	1	...	...	1
All other causes ...	14	10	13	9	14	60
Totals ...	38	32	57	30	42	199

SANITARY REPORT.

Table C, which is duly filled in and appended to this Report, contains full particulars as to the Water Supply, Excrement Disposal, Sanitary Work during 1908, &c.

WATER SUPPLY.

The following are the extensions and alterations carried out during the twelve months ending, 31st December, 1908 :—

Extension of Water Mains :—Nil.

Eighteen hundred yards of 4 in. water mains in the Leeds and Wakefield Road between the Half-Way House and Lofthouse Church, and 370 yards 5 in. water mains in Thorpe Lane,

extending from Milner Lane end to Half-Way House have been scraped out, and since the mains were scraped there has been no complaint of shortage from any portion of your district. The quantity of water supplied to the various portions of your district during the year ending 31st December, 1908, amounted to 109,172,000 gallons, which is in the proportion of 21.4 gallons daily per head of the population for all purposes. The quantity supplied for trade purposes amounted to 44,939,000 gallons, and the amount for domestic purposes was 64,233,000 gallons, which is equal to 12.6 gallons daily per head of the population. The supplies were derived from the following sources and in the following quantities, viz. :—

Leeds Corporation	...	...	78,280,000	gallons.
Morley	„	...	30,858,000	„
Stanley Urban District Council			34,000	„
Total gallons			109,172,000	„
Domestic Consumption	...		64,233,000	„
Trade	„	...	44,939,000	„

There are still 22 houses in your district not connected with the mains, but as these are situated in isolated positions, they must of necessity continue to derive their supply from wells and rain water cisterns.

The following Table shows the number of houses in the different portions of your district connected with your mains, and also those which are still deriving their supply from wells, &c.

District.	No. Houses Connected with Mains.	No. Houses Not connected with Mains.
North Ward ...	529	11
South Ward ...	575	2
Stourton Ward ...	644	4
Lofthouse Ward ...	601	4
Cailton Ward ...	632	1
Totals ...	2981	22

DRAINAGE.

During the twelve months ending 31st December, 1908, there has been no extension of sewers.

All the houses in Stourton are now connected with your own sewers, and the sewage treated at your own outfall works. The sludge difficulty there has been practically overcome; some

improvement, however, might be made in connection with the detritus tank. The treatment of the Stourton sewage has been satisfactory. The effluent has been consistently good, and has given entire satisfaction to the Rivers' Board Inspector. As regards the Outfall Works at Lemonroyd, your Sanitary Committee have appointed an Engineer, who is now taking the necessary steps to have the works reconstructed, so as to enable them to treat the sewage delivered there in a satisfactory and efficient manner.

Throughout your district satisfactory progress continues to be made with the rebuilding and reconstructing of defective privies and ashpits, and providing new ones where required.

The various cow-sheds and slaughter-houses in your district have been visited by your Sanitary Committee, accompanied by your Medical Officer and Inspector, and with one or two exceptions all were found to be in a satisfactory condition. The Veterinary Inspector's Report, which is attached to this Report, gives full particulars as to the various cowsheds he has visited during the twelve months ending, 31st December, 1908.

All the workshops in your district have been visited and inspected, and all were found to be in a satisfactory condition. The workshops number 28 and include 1 bakehouse and 5 domestic workshops. The following is a summary of the work done during the past year :—

Number of Closets erected for New Houses		...	47
Kinds.	{ Water Closets	...	38
	{ Privies	...	9
		Total ... 47	
Number of Ashpits erected for New Houses		...	12
Kinds.	{ Dry Ashpits	...	6
	{ Privy ,,	...	6
		Total ... 12	
Number of Sinks disconnected		...	25
,, ,, trapped		...	5

The work of connecting house drains with the sewer is being steadily persevered with, and during the year ending 31st December, 1908, the number of houses connected was 28. These are as follows :—

Houses.	Number.	No. yards 9-inch Drains	No. yards 6-inch Drains.	No. yards 4-inch Drains.
New ...	20	15	920	1195
Old ...	8	...	300	50

ISOLATION HOSPITAL.

During the year 1908 the number of cases of infectious diseases belonging to your district admitted into the Isolation Hospital numbered 29, as compared with 70 in 1907, and 59 in 1906.

The above comprised 8 cases of Scarlet Fever, 13 cases of Typhoid Fever, and 8 cases of Diphtheria. Of the above 4 proved fatal, 3 being due to Typhoid Fever and 1 to Diphtheria. The deaths from Typhoid Fever were those of patients from the South, Carlton, and Lofthouse Wards, one being from each Ward named. The death from Diphtheria was that of a patient from the Lofthouse Ward. During the year there have been several typical instances where infectious diseases have been prevented from spreading by prompt removal to hospital of first cases.

FACTORY AND WORKSHOP ACT.

The various factories and workshops in your district have been regularly visited, and the requirements of the Act have been enforced. The necessary Tables have been properly filled in and forwarded to the Home Office, Local Government Board, and the County Council.

SANITARY INSPECTOR'S REPORT.

The Sanitary Inspector's Report, giving full and detailed information regarding the work done in his department during the twelve months ending 31st December, 1908, will be found at page 22 of this Report.

In conclusion, I beg to thank your Council for their continued kindness and courtesy, and I would especially thank the Chairman and members of the Sanitary Committee for their loyal support in carrying out needed reforms.

Yours respectfully,

ROBERT STEVENSON,

Medical Officer of Health.

Rothwell, February 1st, 1909.

TABLE 1.
VITAL STATISTICS OF WHOLE DISTRICT DURING 1908
AND PREVIOUS YEARS.

Name of District—ROTHWELL URBAN.

YEAR	Popula- tion esti- mated to Middle of each Year	BIRTHS		TOTAL DEATHS REGISTERED IN THE DISTRICT				NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT	
				UNDER 1 YEAR OF AGE		AT ALL AGES			
		Num- ber	Rate*	Num- ber	Rate per 1,000 Births regis- tered	Num- ber	Rate*	Num- ber	Rate*
I	2	3	4	5	6	7	8	12	13
1898	12,750	366	28.7	38	103	136	10.6	136	10.6
1899	13,200	435	32.9	66	151	197	14.9	197	14.9
1900	13,600	388	28.5	73	180	208	15.2	208	15.2
1901	11,855	435	36.6	69	158	190	16.0	190	16.0
1902	12,722	398	31.28	73	183	193	15.17	193	15.17
1903	13,000	454	34.92	78	171	215	16.53	215	16.53
1904	13,250	420	31.62	61	145	191	14.41	191	14.41
1905	13,430	426	31.72	69	161	189	14.07	189	14.07
1906	13,700	421	30.72	51	121	192	14.01	192	14.01
1907	13,800	385	27.89	54	140	234	3.10	234	13.10
Averages for years 1898-1907	13,130	412	31.48	63	151	194	14.39	194	14.39
1908	13,925	443	31.81	66	148	199	14.28	199	14.28

*Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water)—5,742.

Total population at all ages—11,702.

Number of inhabited houses—2,487

Average number of persons per house—4.70

} At Census of 1901.

Institutions within the district receiving sick and infirm persons from outside the district—Hunslet Union Workhouse and Rothwell, Hunslet, and Methley Joint Isolation Hospital.

Institutions outside the District receiving sick and infirm persons from the district—Leeds General Infirmary, Leeds Women's and Children's Hospital, West Riding Asylum, and Wakefield Workhouse.

Is the Union Workhouse within the District?—Yes.

TABLE II.

VITAL STATISTICS OF SEPARATE LOCALITIES IN
1908 AND PREVIOUS YEARS.

Name of District—ROTHWELL URBAN.

Name of Locality—ROTHWELL URBAN.						
YEAR			Population esti- mated to middle of each year	Births regis- tered	Deaths at all Ages	Deaths under 1 year
1898	...	...	12,750	366	136	38
1899	...	...	13,200	435	197	66
1900	...	..	13,600	388	208	73
1901	...	...	11,855	435	190	69
1902	..	...	12,722	398	193	73
1903	...	...	13,000	454	215	78
1904	..	...	13,250	420	191	61
1905	...	...	13,430	426	189	69
1906	...	...	13,700	421	192	51
1907	...	...	13,800	385	182	54
Averages of Years 1898 to 1907			13,130	412	194	63
1908	..	...	13,925	443	199	66

TABLE III.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING
THE YEAR 1908.

Name of District—ROTHWELL URBAN.

NOTIFIABLE DISEASE	CASES NOTIFIED IN WHOLE DISTRICT							No. of cases removed to Hospital from each locality
	At all Ages	At Ages—Years						
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upw'ds	
Small-pox ..	.	...	...	.	...	...	...	...
Cholera... ..	...	...	...	...	...	...	...	...
Diphtheria (in- cluding Mem- branous croup)	21	...	8	9	1	3	...	8
Erysipelas .	9	...	1	2	3	2	1	...
Scarlet fever ..	15	...	3	11	1	...	...	9
Typhus fever ..	...	...	...	...	...	...	...	...
Enteric fever .	15	...	...	4	3	8	...	13
Relapsing fever	...	...	...	...	...	...	...	...
Continued fever	...	...	...	...	...	..	...	...
Puerperal fever	1	...	...	.	..	1	...	...
Plague ... ..	...	...	...	.	...	...	...	...
Phthisis ..	6	...	...	...	3	3	...	...
Totals	67	...	12	26	11	17	1	30

TABLE IV.

CAUSES OF, AND AGES AT, DEATH DURING YEAR 1908.

Name of District—ROTHWELL URBAN.

CAUSES OF DEATH	Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District						
	All ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and up- wards
Small-pox ... ..	...	...	...	...	...	...	...
Measles	1	...	1	...	...	...	...
Scarlet fever ... ..	...	...	...	...	...	...	...
Whooping-cough	7	4	3	..	...	...	...
Diphtheria (including mem- branous croup)	2	...	1	1	...	...	...
Croup ... ..	...	...	...	...	...	...	...
Fever—Typhus ... ..	...	...	...	...	...	...	...
,, Enteric	3	...	...	...	1	2	...
,, Other continued ... ..	...	...	...	...	...	...	...
Epidemic influenza ... ..	...	...	...	...	...	...	...
Cholera ... ..	...	...	...	...	...	...	...
Plague ... ..	...	...	...	...	...	...	...
Diarrhœa	7	6	1	...	...	...	...
Enteritis	4	4	...	...	...	...	...
Puerperal fever	1	...	...	...	...	1	...
Erysipelas ... ..	..	...	...	...	...	...	...
Phthisis (Pulmonary Tuberculosis)	14	...	...	...	2	11	1
Other tubercular diseases ..	5	2	3	...	...	..	...
Cancer, malignant disease ...	8	..	...	...	...	8	...
Bronchitis	20	8	1	..	...	6	5
Pneumonia	8	4	1	1	...	2	...
Pleurisy .. ..	...	...	...	...	...	...	...
Other diseases of respiratory organs	14	5	2	2	...	3	2
Alcoholism—Cirrhosis of liver	2	...	...	...	...	2	...
Venereal diseases ... ..	...	...	...	...	...	...	...
Premature birth	19	19	...	...	...	...	...
Diseases and accidents of parturition ... ..	...	...	...	...	...	...	...
Heart diseases	11	...	1	...	...	6	4
Accidents	5	..	2	...	2	1	...
Suicides	1	...	...	...	...	1	...
Congenital Debility	9	9	...	...	...	...	...
All other causes	58	5	7	2	...	20	24
All causes	199	65	23	6	5	63	36

TABLE V.—ROTHWELL URBAN DISTRICT.
 INFANTILE MORTALITY DURING THE YEAR 1908.
 Deaths from stated Causes in Weeks and Months under One
 Year of Age.

CAUSE OF DEATH														
ALL CAUSES	...	...										
Whooping Cough ... Diarrhoea, all forms Enteritis, Muco-enteritis, Gastro-enteritis } Gastritis, Gastro- intestinal Catarrh } Premature Birth ... Congenital Defects... Atrophy, Debility Tuberculous Peritonitis Syphilis Convulsions ... Bronchitis ... Pneumonia, Broncho Pneumonia } Other Causes	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	13	Under 1 Week	...	...	...	...	...	...	...	...	...	...	...	...
	5	1-2 Weeks	...	1	...	...	...	...	...	...	...	...	...	...
	6	2-3 Weeks	...	...	...	...	...	...	...	...	...	...	...	...
	...	3-4 Weeks	...	...	...	...	...	...	...	...	...	...	...	...
	24	Total under 1 Month	...	...	...	...	...	...	...	...	...	...	...	...
	8	1-2 Months	...	1	1	1	3	1	...	...	...	...	...	...
	11	2-3 Months	2	2	...	1	...	...	3	...	...	...	...	...
	4	3-4 Months	...	...	...	...	...	...	1	...	...	...	...	...
	3	4-5 Months	1	...	1	...	...	...	...	...	...	...	...	...
	3	5-6 Months	...	...	...	...	...	...	...	1	...	...	...	...
	1	6-7 Months	1	...	...	...	...	...	...	...	...	...	...	...
4	7-8 Months	...	...	...	...	...	...	...	...	3	...	1	...	
1	8-9 Months	...	...	...	...	...	...	...	...	1	...	...	...
4	9-10 Months	...	...	...	...	...	...	...	...	1	...	2	...	
...	10-11 Months	...	...	...	...	...	...	...	...	...	...	...	...
3	11-12 Months	2	...	...	...	...	...	...	...	...	...	1	...	
65	Total Deaths Under 1 Year	4	6	2	2	19	2	10	2	1	2	8	4	4

District of Rothwell Urban.

Population

Estimated to middle of 1908—13,925.

Births in { legitimate, 432.
 the year { illegitimate 11.

Deaths in the { legitimate infants, 64.
 year of { illegitimate infants, 2.

Deaths from all Causes at all Ages, 199.

TABLE C.—1908.

FENTHWELL URBAN SANITARY DISTRICT.

WATER SUPPLY—Any development during 1908?—No.

Has public supply been continuous?—Yes.

Any complaint as to action on lead?—No.

SEWERAGE—Developments during 1908?—None.

Developments still needed?—Lemonroyd Outfall Works.

Any complaints as to offensive Manholes?—Yes.

SEWAGE DISPOSAL—Any complaint as to outfall works?—At Lemonroyd.

SCAVENGING—Performed by District Council. Annual Cost £612 8s. od.

Any inadequacy, and where?—No.

BY-LAWS—Any adopted or sanctioned during 1908?—None.

ADOPTIVE ACTS—Any steps taken for the consideration, adoption, or application of :—

(A) Notification of Births Act, 1907?

(B) Public Health Acts Amendment Act, 1907?—Application to Local Government Board. What Sections?—Parts 234, Sec. 95.

(c) Other Adoptive Acts?

REGULATED BUILDINGS, TRADES, &c.	No. on Register.	Total No. of Inspections made.	General Condition.	Legal Pro- ceed- ings (if any).
Common Lodging Houses ..	...	...	...
Canal Boats ... ..	...	117	Very Good	
Slaughter Houses	7	37	Very Good	
Cowsheds	47	162	Good	
Offensive Trades :—1 Tripe Boiler, 3 Fat Extractors, 16 Fried-fish Shops ..	20	44	Good	

Any nuisance from fish-frying?—No Complaints.

COWSHEDS—Any special inspection made during 1908?—Yes.

Any action taken by outside Authorities, e.g., under ' Milk
Clauses,' concerning milk supplied from this district?—
No.

INFECTIOUS DISEASE—Any suspected spread by rats, dogs,
cats, fowls, flies, or fleas?—No.

How is infected clothing dealt with?—Formalin Steam.

SCHOOLS—Any ailment or contagious disease associated particularly with school-life during 1908?—Diphtheria.

MIDWIVES ACT, 1902—

Are there any uncertified women attending confinements without a doctor?—No.

DWELLINGS—Number of Houses built during 1908?—20.
General Character?—Through.

Do the new houses accord with By-Laws?—Yes. Who sees plans?—Inspector, Committee, and Council.

Any occupied houses unfit for habitation?—No.

Any overcrowding in houses?—No.

Any action taken under the Housing of the Working Classes Acts?—No.

PREVENTION OF CONSUMPTION—Any system of notification?—Voluntary.

Any Sanitary Inspection of Patients' Houses?—Yes. Any Disinfection of ditto?—Yes.

Any Distribution of Advice?—Yes. Any Action re Spitting?—Advice.

Any Disinfection of public rooms, vehicles, etc.?—Yes.

NUISANCES—Total No. of Nuisances in hand at close of 1907—39. At the close of 1908—15. Reported during 1908—613. Abated during 1908—589.

Total No. of Legal Notices served for Abatement of Nuisances during 1908?—13.

No. of Sink wastes disconnected during 1908?—25. Trapped—5.

No. of Closets newly constructed during 1908—47. Kinds—38 W.C.'s, 9 Privies.

No. of Closets reconstructed during 1908—55. Kinds—Privies and Ashpits.

No. of House-drains tested—123. What method adopted? Water, Smoke, Scent.

What action has been taken in regard to the following matters?—Seizures of Unsound Food—None. Prosecutions—None.

Samples under Sale of Food and Drugs Acts—29. Prosecutions—None.

No. of Allotments provided under the Acts or otherwise during 1908—16.

BIRTHS during 1908—Males 240, Females 203, Total 443.

Number illegitimate, included in above—11.

DEATHS during 1908—(1) GROSS DEATHS, i.e., Total actually registered in the district, without any correction—256.

(2)—NETT DEATHS, on which the rates are calculated—Males 107, Females 92, Total 199.

Number uncertified, included in the above—None.

REPORT by E. F. MOORHOUSE,

SANITARY AND BUILDING INSPECTOR.

GENTLEMEN,

I beg to submit the following Report on the Sanitary Work of my Department for the past year :—

CORRESPONDENCE.

Number of letters written and notices served	377
--	-----	-----	-----

Number of inspections to drainage	...	...	113
Number of appointments kept	...	...	240

NUISANCES.

Number of nuisances abated	...	...	589
„ unabated nuisances on books, Dec. 31st, 1908			45

Details of nuisances abated :—

Number of stopped drains cleared	...	...	26
„ stopped w.c.'s cleared	...	...	5
„ stopped w.w.'s cleared	...	...	48
„ defective house drains completely relaid	...	...	34
„ existing house drains disconnected	...	...	25
„ other drainage repairs	...	...	27
„ defective roofs repaired	...	...	31
„ defective eaves spouting repaired	...	...	55
„ alterations to defective ashpits	...	...	37
„ alterations to foul privies	...	...	56
„ defective water supplies remedied	...	...	40
„ other miscellaneous repairs to dwelling-houses	...	...	127
„ other miscellaneous nuisances	...	...	78

A record number of nuisances have been abated during the past year, without, I am pleased to say, having resort to any extreme measures, and with very few exceptions, I have found the whole of the numerous property owners affected, quite willing to carry out the demands made upon them, and the majority showed a very pleasing desire for improved sanitary conditions, and acknowledged the reasonableness and necessity of the works they were asked to carry out.

SCAVENGING.

The following table shews the number of loads of nightsoil removed, with cost per load, etc., for the past seven years.

Year.	Loads.	Total cost of removal per load of refuse.	Total cost of removal of refuse per ashpit.
1908 ...	9,950	... 1/2	... 8/10
1907 ...	9,689	... 1/1 $\frac{3}{4}$	... 8/2 $\frac{1}{3}$
1906 ...	9,606	... 1/2 $\frac{1}{2}$	... 8/8
1905 ...	9,143	... 1/3 $\frac{1}{2}$	... 9/-
1904 ...	8,928	... 1/4 $\frac{1}{4}$	... 9/5 $\frac{1}{2}$
1903 ...	8,941	... 1/4 $\frac{1}{2}$	... 9/10
1902 ...	7,778	... 1/5 $\frac{1}{3}$	... 9/9 $\frac{1}{3}$

The nightsoil continues to be satisfactorily disposed of for agricultural purposes. The removal of nightsoil before 9.0 a.m., which now applies to the whole of the Council's district, has been better observed by the Contractors during the past year, and there have been fewer cases of late removal than usual.

The adoption of an automatic penalty clause by the Council for dilatory removal has undoubtedly brought about beneficial results.

The sewers, cesspools, house gullies, trough closets, and public urinals in the district have been regularly cleansed and disinfected.

Summary of conveniences in the district :—

No. of ashpits in use in December, 1908	...	...	1,378
,, ashpits open	...	...	107
,, covered in ashpits	...	...	1,271
,, dry ashpits	...	...	435
,, privies	...	...	1,492
,, combined privies and ashpits	...	...	943
,, water closets	...	...	632
,, waste water closets	...	...	123
,, trough closets flushed automatically with town's water	...	...	145
,, trough closets flushed by Sanitary staff	...	...	14
,, urinals cleansed by Sanitary staff	...	...	2
,, cesspools emptied by Sanitary staff	...	...	21

Good progress has been made in improving the sanitary conveniences in the district and providing more suitable accommodation. A good number including all the worst cases, of the privies within 6 feet of a dwelling-house at Stourton, mentioned

in last year's report have been converted into w.c.'s, and without exception the owners have willingly carried out the Council's requirements. There are still some requiring alterations, but works of this nature are necessarily largely a matter of time. There are a good number of cases in the district where there are 3 houses to one privy, and as the average number of persons per house is 4.7, the accommodation in these cases is obviously insufficient.

The provision of Waste Water Closets to new houses should in my opinion be discountenanced and the joint use of this class of closet forbidden altogether, as many years of observation have convinced me of their unsuitability to this locality, and I consider them extravagant in the use of water, and open to misuse and grave abuse.

Summary of alterations to conveniences :—

2	Blocks consisting of 1 Privy and 1 Ashpit.
2	„ „ 2 „ „
1	„ „ 3 „ „
1	„ „ 5 W.C.'s „
38	Privies and 8 Tub Closets converted into W.C.'s.
24	Ashpits have been reconstructed.

Extra sanitary accommodation has been provided to the extent of 4 w.c.'s, 1 privy, and 13 ashpits.

INFECTIOUS DISEASE.

Sixty-seven Houses and 1 Public School have been disinfected.

Every house in which phthisical patient has died has also been disinfected, and I am pleased to say, our assistance has been frequently requisitioned voluntarily by intending tenants to disinfect premises which were not above suspicion in regard to cleanliness and health of the last occupier.

Not one single complaint has been received as to any damage done in the course of disinfection, which is very satisfactory, considering the variety and fragile nature of many of the articles disinfected.

DAIRIES, COWSHEDS, AND MILKSHOPS.

Number of cowkeepers on register	...	...	...	28
„ purveyors of milk on register (not cowkeepers)				16
„ cowsheds on register	...	...	...	47

The Veterinary Surgeon appointed last year has commenced his inspection of the milk cows in the district, and his report is on page 28.

Every cowshed in the district from which milk is sent for public consumption has been visited by me at least three times during the year, but it has been necessary to make as many as six visits to some sheds before any improvement could be got.

On the whole, I am pleased to say, there is a distinct improvement on previous years, both in regard to the condition of the cowsheds and the methods of milking adopted.

During the past year amended Cowshed Regulations have been drawn up, and after a round table conference with the representatives of the cowkeepers, the regulations have been submitted to the Local Government Board for their sanction and approval.

SLAUGHTER HOUSES AND OFFENSIVE TRADES.

During my frequent visits, I have found the Slaughter-Houses, on the whole, properly conducted, and with one exception they may be termed very satisfactory. The meat passing through the local Slaughter Houses is of good quality, and usually from sound, well-nourished animals. A large proportion of the meat, however, sold in this district is killed outside the district and brought into the shops cut up ready for sale. During my inspection, I have occasionally seen meat and other parts of an animal which I considered unsuitable for human food, either from signs of disease or other causes, but an interview has been sufficient to prevent its sale for human food.

There are 4 offensive trades, consisting of 1 tripe dresser, 3 fat extractors, also 16 fried fish shops in the district. The tripe dresser's establishment is conducted in an exemplary manner, but the fat extractors' places leave room for improvement in this respect. The fish sold in the fried fish shops is of excellent quality, but the fat in which the fish is fried is sometimes old, and not above suspicion.

FOOD AND DRUGS ACT.

Twenty-nine samples of new milk have been taken by me during the year. Two were adulterated by the addition of water to the extent of 2.8 per cent. and 1.1 per cent. respectively. Two were below the standard in fat, and one was of exceptionally poor quality, both in regard to solids and fats. The remaining samples were of genuine quality, and all were certified to be free from preservatives of any kind.

CANAL BOATS.

One hundred and seventeen Canal Boats have been inspected, ten of which contravened the Canal Boats Acts of 1877 and 1884 in various ways. These defects, and the two not remedied at the end of last year, have all been made in accordance with the Regulations.

BUILDINGS.

Twenty Dwelling Houses, 5 Buildings of a miscellaneous character, 1 Public Building, 1 Place of Public Entertainment, Works for a new industry, and extensions to existing works have been built during the year.

Of the 20 houses, 1 has 7 rooms, 2 six rooms, 5 five rooms, 12 four rooms above the ground level.

Thirty-one plans have been deposited, of which 28 were approved and 3 disapproved. There are 14 houses in course of erection and 32 empty houses against 42 last year. 21 of the 32 empty houses are at Stourton.

Instructions have been given for the revision and extending of the Councils present Building Bye-Laws, and new Bye-Laws are now being drafted for submittance to the Council.

A much needed improvement has been effected by the naming and remarking of the streets in the district, and 206 street name plates have been fixed for this purpose.

The numbering of houses in various parts of the district is also very necessary, and will no doubt be considered in due course.

Placards have been posted throughout the district requiring the Dealers in inflammable substances under the Petroleum Acts, to be licensed, and also to draw the attention of consumers of such inflammable substances as petrol, petroleum, calcium carbide, naphtha, etc to the dangerous character of these substances.

Application has been made to the Local Government Board to confirm the adoption of parts 2, 3, 4, and section 95 of the Public Health Acts Amendment Act by the Council,

In conclusion I beg to again express my appreciation of the courtesy of the members of the Council, and also my thanks to the Chairman and Members of the Sanitary and Building Committees for their loyal support in the carrying out of many unpleasant duties.

I am, Gentlemen,

Yours obediently,

ERNEST FREDERICK MOORHOUSE,

Assoc. R. San. Inst.



VETERINARY INSPECTION OF CATTLE.

ROTHWELL URBAN DISTRICT COUNCIL.

I have during the year 1908-9, made 946 veterinary examinations of cows in the above district and each animal has been examined chiefly in regard to the condition of the udder.

On the first inspection the udders of 7 cows were found to be diseased, the owners were informed, and in each case the cow had been disposed of before the second inspection two months later, and on this occasion only 3 udders were affected.

On the third inspection 4 udders were diseased, but only 2 were in milk.

For the purposes of this inspection 141 visits have been made to the various cowsheds.

The quality of the animals generally has improved.

SAMUEL WHARAM,

M.R.C.V.S.

February 5th, 1909.

